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Codonopsis draco Ramp.（桔梗科）的身份鉴定，特别提及它的濒危状态*

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摘要：Pampanini 于1910年发表了桔梗科采自湖北西部的一个新种 *Codonopsis draco*。此后100年无人提起它。最近作者在进行党参属及其近缘类群的专著研究中发现它就是1984年发表的刺萼参 *Echinocodon lobophyllus* D. Y. Hong，也采自湖北西部。本文作了新组合。刺萼参在湖北郧西的分布点已经消失，至今仅知道陕西东南部两个地点有少量植株，可见刺萼参已处于濒危状态。因为它是单种属，对其保护应予特别关注。

关键词：刺萼参；新组合；单种属；濒危状态
中图分类号：Q 949 **文献标识码**：A **文章编号**：2095-0845(2014)03-301-02

The Identity of *Codonopsis draco* Pamp.（Campanulaceae）with Special Reference to Its Endangered State

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Abstract: *Codonopsis draco* was described by Pampanini as new from NW Hubei [Hu-Peh] Province, China. This species has been ignored since then by all late authors; even Lammers failed in mentioning it. Recently when the present author traced the name of *C. draco* Pamp., he found from the figure provided by Pampanini that it is a distinct species but not in *Codonopsis*. By comparing it with species of *Codonopsis* and its allies it was found conspecific with *Echinocodon lobophyllus* D. Y. Hong, which was described based on a collection also from W Hubei (Fig. 1). A new combination is made here in the present paper.

Key words: *Echinocodon draco*; New combination; Endangered state

Echinocodon draco (Pamp.) D. Y. Hong, comb. nov., basionym: *Codonopsis draco* Pamp., Nuov. Giorn. Bot. Ital. **17**: 733. fig. 19. 1910. Type: Pampanini's figure cited (lectotype here designated). ≡*Echinocodon lobophyllus* D. Y. Hong, Acta Phytotax. Sin. **22** (3): 183. pl. 1. 1984. Type: China, Hubei, Yunxi CO, near the town, 300 m, 01. Jul. 1983, Y. J. Ma & D. Y. Hong PB 83006 (holotype: PE).

The genus *Echinocodon* D. Y. Hong was described as new by Hong (1984). It has been recognized by all the relevant authors as a good genus (Lammers, 2007; Mabberley, 2008). Our recent molecular analysis revealed that *Echinocodon* is not closely related to *Codonopsis* as Hong (1984) indicated, but instead the closest relative of *Echinocodon* is *Cyclocodon* (Wang *et al.*, 2013).

The genus is monospecific, and found only in a small area of NW Hubei and SE Shaanxi, China. The type specimen of *Echinocodon lobophyllus* D. Y.

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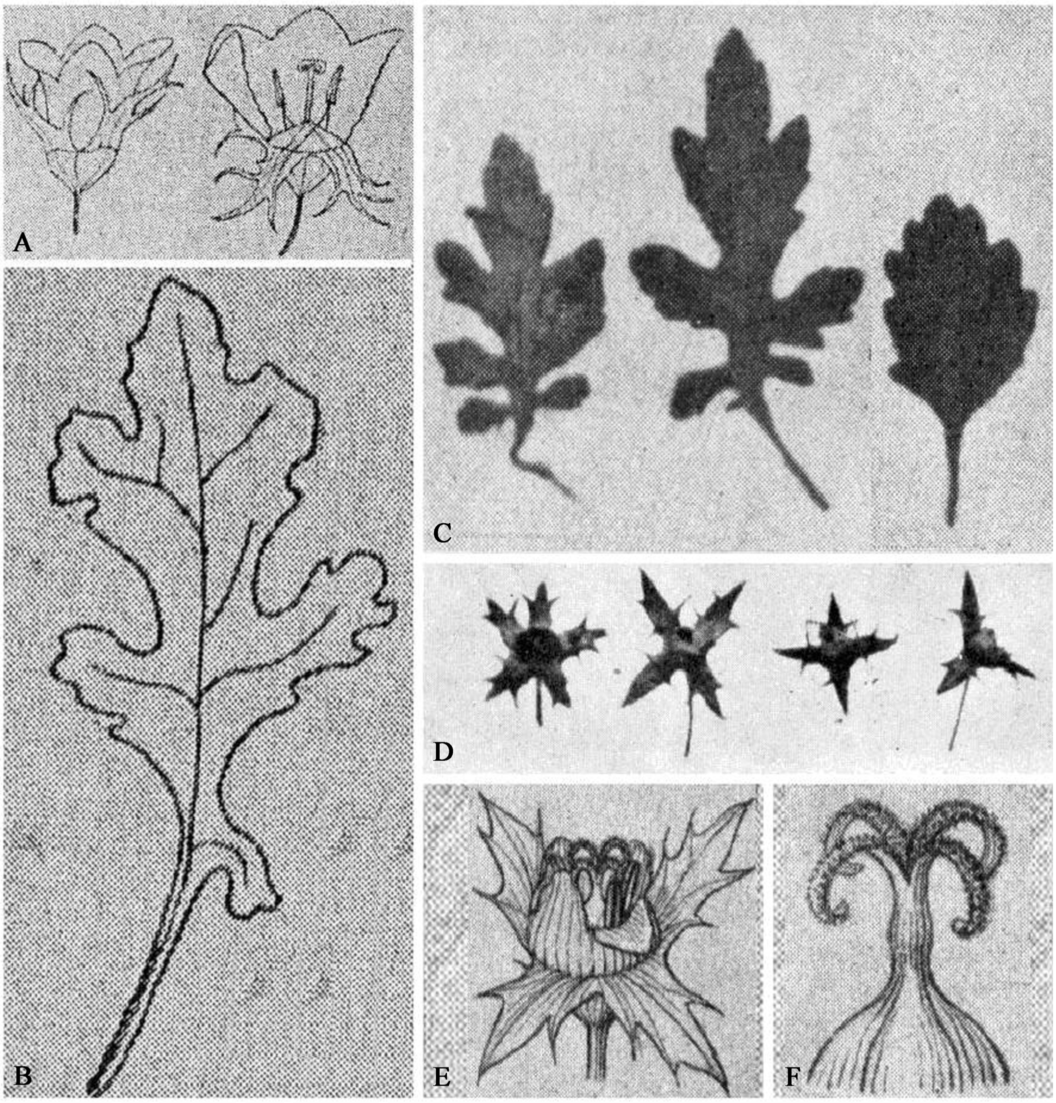

Fig. 1 *Echinocodon draco* (Pamp.) D. Y. Hong. A & B. *Codonopsis draco* Pamp., from Pampanini (1910, Fig. 19); C–F. *Echinocodon lobophyllus* D. Y. Hong, from Hong (1984, pl. 1)

Hong was collected from the suburb of Yunxi Town in 1983, when it was locally rather abundant. However, Dr. YANG Fu-Sheng could not be able to find any there in 2012 though he searched for it hard. Luckily Dr. LI Bing found several individuals in SE Shaanxi in 2012, and Prof. REN Yi found a few individuals in 2013 in Ankang, also SE Shaanxi. Apparently, the plant is extremely endangered though not extinct. Therefore, we should pay a special attention on the conservation of this plant as the only species of *Echinocodon*.

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